Vortex Flowmeter Reduces Maintenance Costs and Increases Throughput in Polyester Fiber Production Facility

RESULTS

- 8800 measures lower flows than the same size standard Vortex
- Reduced installation costs by an average of $800 per flow point compared with field installation of Reducers
- Minimizes risk by matching face-to-face dimension of standard 8800 Vortex

Conoco will realize reduced operations and maintenance costs by reducing down-time and maintenance calls for plugged impulse lines.

APPLICATION

TiO2 utilizing the chloride process

CUSTOMER

Conoco®

CHALLENGE

Conoco's use of Vortex flowmeter technology has increased greatly over the past two years. This has been due to a general transition toward applying “Best Practices” concepts to all of their flow applications.

On a recent project, Conoco decided to apply vortex meters where they had traditionally been using orifice plates. They had been experiencing maintenance issues with plugging/freezing impulse lines

SOLUTION

While the original justification for this project was to reduce their maintenance costs by eliminating the plugged impulse line problem, additional savings was realized by Emerson Process Management's unique offering of the Reducer Vortex Meter.

While sizing the meters for this application, it was noted that Emerson Process Management needed to downsize each of the lines to get a “good” measurement from the vortex meters. Normally this would require welding reducers to the line and putting in a section of reduced-bore piping. However, Emerson Process Management was able to offer an additional $6300+ in savings by eliminating the additional installation costs normally associated with putting in a smaller than line size meter.

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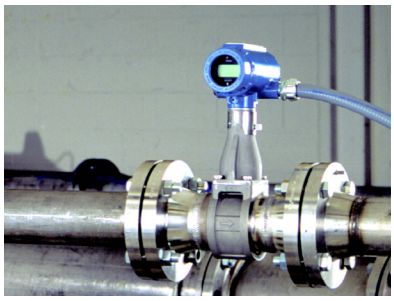
www.rosemount.com

EMERSON™
Process Management

In summary, Conoco will realize reduced operations and maintenance costs by reducing down-time and maintenance calls for plugged impulse lines. They have already realized up front savings during the installation of these meters.



Installed Rosemount Vortex Flowmeter.

RESOURCES

Emerson Process Management Oil and Gas Industry

http://www2.emersonprocess.com/en-US/industries/oil-gas/Pages/OilandGas.aspx

Rosemount Vortex Flowmeters

http://www2.emersonprocess.com/en-US/brands/rosemount/Flow/Vortex-Flowmeters/Pages/index.aspx

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